

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|---------|--------------------------------|-----------------|------------------|---------|------------------|
| S1 | 5766 | mimo | US-PGPUB; USPAT | ADJ | ON | 2008/10/27 11:05 |
| S2 | 5371 | multiple input multiple output | US-PGPUB; USPAT | ADJ | ON | 2008/10/27 11:06 |
| S3 | 4306 | S1 and S2 | US-PGPUB; USPAT | ADJ | ON | 2008/10/27 11:06 |
| S4 | 26779 | reduce and crosstalk | US-PGPUB; USPAT | ADJ | ON | 2008/10/27 11:15 |
| S5 | 117 | S4 and S3 | US-PGPUB; USPAT | ADJ | ON | 2008/10/27 11:16 |
| S6 | 1262441 | channel | US-PGPUB; USPAT | ADJ | ON | 2008/10/27 11:16 |
| S7 | 30615 | impulse response | US-PGPUB; USPAT | ADJ | ON | 2008/10/27 11:16 |
| S8 | 20903 | S6 and S7 | US-PGPUB; USPAT | ADJ | ON | 2008/10/27 11:17 |
| S9 | 44 | S5 and S8 | US-PGPUB; USPAT | ADJ | ON | 2008/10/27 11:19 |
| S10 | 4306 | S1 and S2 | US-PGPUB; USPAT | ADJ | ON | 2008/10/27 14:42 |
| S11 | 765 | S7 and S10 | US-PGPUB; USPAT | ADJ | ON | 2008/10/27 14:43 |
| S12 | 765 | S7 and S10 | US-PGPUB; USPAT | ADJ | ON | 2008/10/27 14:43 |
| S13 | 17200 | crosstalk and filter\$1 | US-PGPUB; USPAT | ADJ | ON | 2008/10/27 14:43 |
| S14 | 51 | S12 and S13 | US-PGPUB; USPAT | ADJ | ON | 2008/10/27 14:44 |
| S15 | 13148 | noise interference | US-PGPUB; USPAT | ADJ | ON | 2008/10/28 09:15 |
| S16 | 16 | estimat\$3 and impulse reponse | US-PGPUB; USPAT | ADJ | ON | 2008/10/28 09:16 |
| S17 | 1 | S15 and S16 | US-PGPUB; USPAT | ADJ | ON | 2008/10/28 09:17 |

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|-----|-------|--|-----------------|-----|-----|------------------|
| S18 | 201 | estim\$3 (noise interference or crosstalk) | US-PGPUB; USPAT | ADJ | ON | 2008/10/28 09:18 |
| S19 | 28007 | filter\$3 and impulse response | US-PGPUB; USPAT | ADJ | ON | 2008/10/28 09:18 |
| S20 | 56 | S18 and S19 | US-PGPUB; USPAT | ADJ | ON | 2008/10/28 09:18 |
| S21 | 5779 | mimo | US-PGPUB; USPAT | ADJ | ON | 2008/10/28 09:19 |
| S22 | 5378 | multiple input multiple output | US-PGPUB; USPAT | ADJ | ON | 2008/10/28 09:19 |
| S23 | 4313 | S21 and S22 | US-PGPUB; USPAT | ADJ | ON | 2008/10/28 09:19 |
| S24 | 4 | S20 and S23 | US-PGPUB; USPAT | ADJ | ON | 2008/10/28 09:20 |
| S25 | 0 | ("US20070183301").FN. | US-PGPUB; USPAT | OR | OFF | 2008/10/28 09:23 |
| S26 | 1 | ("20070183301").FN. | US-PGPUB; USPAT | OR | OFF | 2008/10/28 09:23 |
| S27 | 6844 | S21 or S22 | US-PGPUB; USPAT | ADJ | ON | 2008/10/28 09:25 |
| S28 | 11 | S20 and S27 | US-PGPUB; USPAT | ADJ | ON | 2008/10/28 09:27 |
| S29 | 1438 | cheong,In. | US-PGPUB; USPAT | ADJ | ON | 2008/10/28 09:40 |
| S30 | 82 | (370/317).CCLS. | US-PGPUB; USPAT | OR | OFF | 2008/10/28 09:42 |
| S31 | 595 | (370/318).CCLS. | US-PGPUB; USPAT | OR | OFF | 2008/10/28 09:42 |
| S32 | 3392 | (455/522).CCLS. | US-PGPUB; USPAT | OR | OFF | 2008/10/28 09:42 |
| S33 | 1685 | (455/63.1).CCLS. | US-PGPUB; USPAT | OR | OFF | 2008/10/28 09:42 |
| S34 | 1222 | (455/67.13).CCLS. | US-PGPUB; USPAT | OR | OFF | 2008/10/28 09:43 |
| S35 | 315 | 455/115.3 | US-PGPUB; USPAT | ADJ | ON | 2008/10/28 09:43 |
| S36 | 0 | ("129or130or131or132or133or134").FN. | US-PGPUB; USPAT | OR | OFF | 2008/10/28 09:44 |

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|-----|--------|--|------------------------|-----|-----|---------------------|
| S37 | 0 | I29orI30orI31orI32orI33orI34 | US- PGPUB; USPAT | ADJ | ON | 2008/10/28 09:44 |
| S38 | 82 | S30 or I30or I31or I32or I33or S35 | US- PGPUB; USPAT | ADJ | ON | 2008/10/28 09:44 |
| S39 | 38480 | (nois\$3 interfenc\$3 or crosstalk) | US- PGPUB; USPAT | ADJ | ON | 2008/10/28 09:46 |
| S40 | 9497 | channel same impulse response | US- PGPUB; USPAT | ADJ | ON | 2008/10/28 09:46 |
| S41 | 767 | S39 and S40 | US- PGPUB; USPAT | ADJ | ON | 2008/10/28 09:46 |
| S42 | 0 | I29or I30or I31or I32or I33or S35 | US- PGPUB; USPAT | ADJ | ON | 2008/10/28 09:47 |
| S43 | 6387 | S30 or S31 or S32 or S33 or S34 or S35 | US- PGPUB; USPAT | ADJ | ON | 2008/10/28 09:47 |
| S44 | 5 | S41 and S43 | US- PGPUB; USPAT | ADJ | ON | 2008/10/28 09:48 |
| S45 | 192853 | Interferenc\$3 and filter\$3 | US- PGPUB; USPAT | ADJ | ON | 2008/10/28 09:53 |
| S46 | 20931 | channel and impulse response | US- PGPUB; USPAT | ADJ | ON | 2008/10/28 09:53 |
| S47 | 10766 | S46 and S45 | US- PGPUB; USPAT | ADJ | ON | 2008/10/28 09:54 |
| S48 | 517997 | estimat\$3 | US- PGPUB; USPAT | ADJ | ON | 2008/10/28 09:54 |
| S49 | 7917 | S47 and S48 | US- PGPUB; USPAT | ADJ | ON | 2008/10/28 09:55 |
| S50 | 253 | S49 and S43 | US- PGPUB; USPAT | ADJ | ON | 2008/10/28 09:55 |
| S51 | 6844 | mimo or multiple input multiple output | US- PGPUB; USPAT | ADJ | ON | 2008/10/28 13:12 |
| S52 | 82 | (370/317).CQLS. | US- PGPUB; USPAT | OR | OFF | 2008/10/28 13:12 |
| S53 | 595 | (370/318).CQLS. | US- PGPUB; USPAT | OR | OFF | 2008/10/28 13:12 |
| S54 | 3392 | (455/522).CQLS. | US- PGPUB; USPAT | OR | OFF | 2008/10/28 13:12 |
| S55 | 1685 | (455/63.1).CQLS. | US- PGPUB; USPAT | OR | OFF | 2008/10/28 13:12 |

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| S56 | 1222 | (455/67.13).CQLS. | US- PGPUB; USPAT | OR | OFF | 2008/10/28 13:12 |
| S57 | 315 | 455/115.3 | US- PGPUB; USPAT | ADJ | ON | 2008/10/28 13:12 |
| S58 | 6387 | S52 or S53 or S54 or S55 or S56 or S57 | US- PGPUB; USPAT | ADJ | ON | 2008/10/28 13:12 |
| S59 | 192853 | interferenc\$3 and filter\$3 | US- PGPUB; USPAT | ADJ | ON | 2008/10/28 13:12 |
| S60 | 20931 | channel and impulse response | US- PGPUB; USPAT | ADJ | ON | 2008/10/28 13:12 |
| S61 | 10766 | S60 and S69 | US- PGPUB; USPAT | ADJ | ON | 2008/10/28 13:12 |
| S62 | 517997 | estimat\$3 | US- PGPUB; USPAT | ADJ | ON | 2008/10/28 13:12 |
| S63 | 7917 | S61 and S62 | US- PGPUB; USPAT | ADJ | ON | 2008/10/28 13:12 |
| S64 | 253 | S63 and S58 | US- PGPUB; USPAT | ADJ | ON | 2008/10/28 13:12 |
| S65 | 18 | S64 and S51 | US- PGPUB; USPAT | ADJ | ON | 2008/10/28 13:12 |
| S66 | 18 | S51 and S64 | US- PGPUB; USPAT | ADJ | ON | 2008/10/28 13:13 |
| S67 | 6387 | S52 or S53 or S54 or S55 or S56 or S57 | US- PGPUB; USPAT | ADJ | ON | 2008/10/28 13:16 |
| S68 | 6844 | mimo or multiple input multiple output | US- PGPUB; USPAT | ADJ | ON | 2008/10/28 13:16 |
| S69 | 192853 | interferenc\$3 and filter\$3 | US- PGPUB; USPAT | ADJ | ON | 2008/10/28 13:17 |
| S70 | 20931 | channel and impulse response | US- PGPUB; USPAT | ADJ | ON | 2008/10/28 13:17 |
| S71 | 10766 | S69 and S70 | US- PGPUB; USPAT | ADJ | ON | 2008/10/28 13:17 |
| S72 | 517997 | estimat\$3 | US- PGPUB; USPAT | ADJ | ON | 2008/10/28 13:18 |
| S73 | 0 | ("123and122").PN. | US- PGPUB; USPAT | OR | OFF | 2008/10/28 13:19 |
| S74 | 7917 | S72 and S71 | US- PGPUB; USPAT | ADJ | ON | 2008/10/28 13:19 |

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| S75 | 760 | S74 and S68 | US-PGPUB; USPAT | ADJ | ON | 2008/10/28 13:20 |
| S76 | 18 | S75 and S68 | US-PGPUB; USPAT | ADJ | ON | 2008/10/28 13:20 |
| S77 | 4412 | estimat\$3 with impulse response | US-PGPUB; USPAT | ADJ | ON | 2008/10/28 13:46 |
| S78 | 1070539 | filter | US-PGPUB; USPAT | ADJ | ON | 2008/10/28 13:46 |
| S79 | 2021 | S77 same S78 | US-PGPUB; USPAT | ADJ | ON | 2008/10/28 13:47 |
| S80 | 131 | S79 and S68 | US-PGPUB; USPAT | ADJ | ON | 2008/10/28 13:47 |
| S81 | 3 | S80 and S68 | US-PGPUB; USPAT | ADJ | ON | 2008/10/28 13:47 |
| S82 | 122 | S80 and (interferenc\$3 or crosstalk) | US-PGPUB; USPAT | ADJ | ON | 2008/10/28 13:49 |
| S83 | 3 | S82 and S67 | US-PGPUB; USPAT | ADJ | ON | 2008/10/28 13:49 |
| S84 | 1 | ("20020131537").PN. | US-PGPUB; USPAT | OR | OFF | 2008/10/28 13:54 |
| S85 | 1 | ("20030003880").PN. | US-PGPUB; USPAT | OR | OFF | 2008/10/28 14:02 |
| S86 | 0 | ("US20070183301").PN. | US-PGPUB; USPAT | OR | OFF | 2008/10/28 14:06 |
| S87 | 1 | ("20070183301").PN. | US-PGPUB; USPAT | OR | OFF | 2008/10/28 14:06 |
| S88 | 1 | fir filter and impulse matrix | US-PGPUB; USPAT | ADJ | ON | 2008/10/28 15:57 |
| S89 | 14677 | fir filter | US-PGPUB; USPAT | ADJ | ON | 2008/10/28 15:57 |
| S90 | 979 | estimat\$3 impulse response | US-PGPUB; USPAT | ADJ | ON | 2008/10/28 15:58 |
| S91 | 220 | S89 and S90 | US-PGPUB; USPAT | ADJ | ON | 2008/10/28 15:58 |
| S92 | 541133 | crosstalk or interferenc\$3 | US-PGPUB; USPAT | ADJ | ON | 2008/10/28 15:58 |
| S93 | 123 | S91 and S92 | US-PGPUB; USPAT | ADJ | ON | 2008/10/28 15:58 |

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| S94 | 2023445 | eliminat\$3 or cancel\$6 | US- PGPUB; USPAT | ADJ | ON | 2008/10/28 15:59 |
| S95 | 88 | S94 and S93 | US- PGPUB; USPAT | ADJ | ON | 2008/10/28 15:59 |
| S96 | 32804 | equalizer | US- PGPUB; USPAT | ADJ | ON | 2008/10/28 15:59 |
| S97 | 37 | S95 and S96 | US- PGPUB; USPAT | ADJ | ON | 2008/10/28 16:00 |
| S98 | 1263327 | channel | US- PGPUB; USPAT | ADJ | ON | 2008/10/28 16:00 |
| S99 | 37 | S97 and S98 | US- PGPUB; USPAT | ADJ | ON | 2008/10/28 16:00 |
| S100 | 6844 | mimo or multiple input multiple output | US- PGPUB; USPAT | ADJ | ON | 2008/10/28 16:05 |
| S101 | 126 | estimat\$3 impulse response same matrix | US- PGPUB; USPAT | ADJ | ON | 2008/10/28 16:06 |
| S102 | 554544 | crosstalk or cross-talk or interferenc\$3 | US- PGPUB; USPAT | ADJ | ON | 2008/10/28 16:07 |
| S103 | 14 | S100 and S101 and S102 | US- PGPUB; USPAT | ADJ | ON | 2008/10/28 16:08 |
| S104 | 166 | estimat\$3 impulse response same (fir or matrix) | US- PGPUB; USPAT | ADJ | ON | 2008/10/28 16:12 |
| S105 | 14 | S100 and S102 and S104 | US- PGPUB; USPAT | ADJ | ON | 2008/10/28 16:12 |
| S106 | 18423 | isi or inter symbol | US- PGPUB; USPAT | ADJ | ON | 2008/10/28 16:18 |
| S107 | 48 | S106 and S101 | US- PGPUB; USPAT | ADJ | ON | 2008/10/28 16:18 |
| S108 | 22 | S101 and S100 | US- PGPUB; USPAT | ADJ | ON | 2008/10/28 16:18 |
| S109 | 14 | S108 and S102 | US- PGPUB; USPAT | ADJ | ON | 2008/10/28 16:22 |
| S110 | 48 | S101 and S106 | US- PGPUB; USPAT | ADJ | ON | 2008/10/28 16:27 |
| S111 | 55 | S104 and S106 | US- PGPUB; USPAT | ADJ | ON | 2008/10/28 16:28 |
| S112 | 11 | S111 and S100 | US- PGPUB; USPAT | ADJ | ON | 2008/10/28 16:28 |

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| SI13 | 22 | SI04 and SI00 | US- PGPUB; USPAT | ADJ | ON | 2008/10/28 16:29 |
| SI14 | 14 | SI13 and SI02 | US- PGPUB; USPAT | ADJ | ON | 2008/10/28 16:30 |
| SI15 | 1 | ("20070183301").PN. | US- PGPUB; USPAT | OR | OFF | 2008/10/29 15:43 |
| SI16 | 6884 | MIMO or multiple input multiple output | US- PGPUB; USPAT | ADJ | ON | 2008/10/30 17:34 |
| SI17 | 32848 | equalizers | US- PGPUB; USPAT | ADJ | ON | 2008/10/30 17:34 |
| SI18 | 187063 | (crosstalk or cross-talk or interferenc\$3) and filter | US- PGPUB; USPAT | ADJ | ON | 2008/10/30 17:35 |
| SI19 | 1006 | SI16 and SI17 | US- PGPUB; USPAT | ADJ | ON | 2008/10/30 17:36 |
| SI20 | 737 | SI18 and SI19 | US- PGPUB; USPAT | ADJ | ON | 2008/10/30 17:36 |
| SI21 | 3278 | dfe | US- PGPUB; USPAT | ADJ | ON | 2008/10/30 17:36 |
| SI22 | 205 | SI21 and SI20 | US- PGPUB; USPAT | ADJ | ON | 2008/10/30 17:36 |
| SI23 | 1360219 | filter\$3 | US- PGPUB; USPAT | ADJ | ON | 2008/10/30 17:37 |
| SI24 | 205 | SI23 and SI22 | US- PGPUB; USPAT | ADJ | ON | 2008/10/30 17:37 |
| SI25 | 312 | transclever\$2 | US- PGPUB; USPAT | ADJ | ON | 2008/10/30 17:38 |
| SI26 | 0 | SI25 and SI24 | US- PGPUB; USPAT | ADJ | ON | 2008/10/30 17:38 |
| SI27 | 612 | reciever and transmitter | US- PGPUB; USPAT | ADJ | ON | 2008/10/30 17:38 |
| SI28 | 3 | SI27 and SI24 | US- PGPUB; USPAT | ADJ | ON | 2008/10/30 17:38 |
| SI29 | 405 | equalizers same (mimo or multiple input multiple output) | US- PGPUB; USPAT | ADJ | ON | 2008/10/30 17:52 |
| SI30 | 321 | SI18 and SI29 | US- PGPUB; USPAT | ADJ | ON | 2008/10/30 17:52 |
| SI31 | 102 | SI21 and SI30 | US- PGPUB; USPAT | ADJ | ON | 2008/10/30 17:52 |

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| S132 | 102 | S123 and S131 | US- PGPUB; USPAT | ADJ | ON | 2008/10/30 17:53 |
| S133 | 12763 | equalizers same filters | US- PGPUB; USPAT | ADJ | ON | 2008/10/30 17:56 |
| S134 | 13426 | equalizers same filter\$3 | US- PGPUB; USPAT | ADJ | ON | 2008/10/30 17:56 |
| S135 | 148 | S134 same S116 | US- PGPUB; USPAT | ADJ | ON | 2008/10/30 17:57 |
| S136 | 140 | S118 and S135 | US- PGPUB; USPAT | ADJ | ON | 2008/10/30 17:57 |
| S137 | 81 | multiple equalizers | US- PGPUB; USPAT | ADJ | ON | 2008/10/30 18:06 |
| S138 | 0 | S137 same S116 | US- PGPUB; USPAT | ADJ | ON | 2008/10/30 18:06 |
| S139 | 1 | S137 and S116 | US- PGPUB; USPAT | ADJ | ON | 2008/10/30 18:06 |
| S140 | 32848 | equalizers | US- PGPUB; USPAT | ADJ | ON | 2008/10/30 18:07 |
| S141 | 405 | S140 same S116 | US- PGPUB; USPAT | ADJ | ON | 2008/10/30 18:07 |
| S142 | 1360219 | filter\$3 | US- PGPUB; USPAT | ADJ | ON | 2008/10/30 18:07 |
| S143 | 353 | S141 and S142 | US- PGPUB; USPAT | ADJ | ON | 2008/10/30 18:07 |
| S144 | 321 | S118 and S143 | US- PGPUB; USPAT | ADJ | ON | 2008/10/30 18:08 |

10/31/2008 3:28:29 PM

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